



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION III
1650 Arch Street
Philadelphia, Pennsylvania 19103-2029

February 13, 2020

(b) (6)
Nathalie, VA 24577

RE: EPA Drinking Water Sampling Results (b) (6) 2019

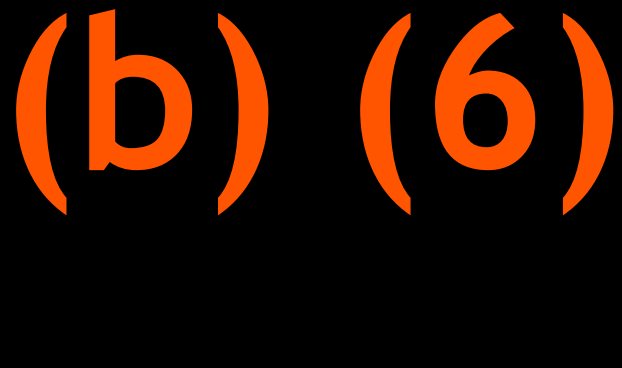
Dear (b) (6):

Thank you for allowing EPA to sample the well located at your residence in (b) (6) r. The purpose of this sampling was to determine if the new water treatment system installed in (b) (6) of 2019 on your system is effective in removing trichloroethene and/or tetrachloroethene from your well. EPA also sampled for metals during this event to determine the effectiveness of the water softener installed as part of the new system.

The following is a summary of your results for all contaminants detected above the laboratory detection limit. In total, three samples were collected; two prior to the installation of the treatment system and one after the installation of the treatment system. All results are in microgram/liter. All other results were non-detect.

Table 1.1 – VOC Results								
Analyte	MCL (µg/L)	PRE-FILTER Result	Flag	PRE-FILTER - Duplicate Result	Flag	POST-FILTER Result	Flag	MDL
1,1-Dichloroethene	7	(b) (6)	J	(b) (6)	J	(b) (6)	U	0.14
2-Butanone	NL		U		J		U	0.96
Acetone	NL		J		J		J	0.84
Chloromethane	NL		U		J		J	0.06
cis-1,2-Dichloroethene	70		J		J		U	0.064
Tetrachloroethene	5						U	0.044
Toluene	1000		J		J		J	0.051
Trichloroethene	5						U	0.07
Trichlorofluoromethane	NL		J		J		U	0.083

Table 1.2 – Total Metals Results

Analyte	MCL (µg/L)	PRE- FILTER Result	PRE-FILTER - Duplicate Result	POST- FILTER Result	MDL
Barium	2000				10
Calcium	NL				500
Copper	1300				2
Iron	NL				100
Magnesium	NL				500
Manganese	NL				1
Potassium	NL				500
Sodium	NL				500
Zinc	NL				2

Legend

µg/L = micrograms per liter

MCL = EPA Maximum Contaminant Level

MDL = Method Detection Limit

NL = Not listed

NR = Not reported by lab

J = Analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample, but the value cannot be quantified

As you can see above, the carbon system is currently effective in reducing or removing volatile organic compounds from your drinking water. No results were detected above EPA regulatory limits.

EPA appreciates your participation in this sampling assessment. With your permission, EPA will continue quarterly sampling to determine the life span of the carbon. If you have any questions, please contact me at (804) 337-3049 or by email at wagner.christine@epa.gov

Sincerely,

Christine Wagner
On-Scene Coordinator
EPA Region III